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Before the Arizona Corporation Commission

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Gary Pierce, Chairman

Bob Stump, Commissioner

Sandra D. Kennedy, Commissioner

Paul Newman, Commissioner

Brenda Burns, Commissioner

2011 NOV 17 P 12:40

AZ CORP COMMISSION
DOCKET CONTROL

Arizona Corporation Commission

DOCKETED

NOV 17 2011

DOCKETED BY

In the Matter of Arizona Solar One, LLC
Pursuant to ACC Decision No. 70639

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Docket No. L-00000GG-08-0407-00139
L-00000GG-08-0408-00140

**Filing of Record
In Compliance to the Conditions of
ACC Decision No. 70639**

Arizona Corporation Commission ("Commission") Decision No. 70639 (December 11, 2008) (Exhibit A) (Line Siting Case No. 140) approved a Certificate of Environmental Compatibility ("CEC") granted by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") for Arizona Solar One, LLC ("ASO") to build a 230kV transmission line emanating from the Solana Generating Station generally located at the northwest intersection of Interstate 8 and Painted Rock Dam Road, to the Panda/Gila River 230 kV substation, approximately 20.2 miles east and north of the Solana plant site (see Line Siting Case No. 139). Solana is located approximately 70 miles west and south of Phoenix, Arizona.

Condition No. 15 (a)

Condition No. 15 (a) of the ACC order requires that ASO, before commencing construction of said transmission line located parallel to and within 100 feet of any existing natural gas or hazardous liquid pipeline, shall:

"Perform the appropriate grounding and cathodic protection studies to show that the Project's location parallel to and within 100 feet of such pipeline results in no material adverse impacts to the pipeline or to public safety when both the pipeline and the Project are in operation. If material adverse impacts are noted in the studies, Applicant, or its assignee(s), shall take appropriate steps to ensure that such material adverse impacts are mitigated. Applicant, or its assignee(s), shall provide to Commission Staff reports of studies performed"

Arizona Solar One submits this memo and references which clearly demonstrate that there will be no cathodic protection related issues with the existing natural gas pipeline. In addition, and complying with the Electrical standards defined to this type of projects all structures will be properly grounded to avoid any risk due to atmospheric conditions so no material adverse impacts are foreseen to the gas pipeline or to public safety when both pipeline and said transmission line are in operation.

In this sense, we are including as support of the foregoing a correspondence from South West Gas Corporation (Exhibit "A"), and from Abengoa T&D (Exhibit "B"), subcontractor in charge of the design-build contract for the 230 kV Transmission line.

Respectfully submitted this 17th day of November, 2011.

Arizona Solar One, LLC



Kate Maracas
Statutory Officer, ASO
11500 West 13th Avenue
Lakewood, CO 80202

Filing of Record
ACC Decision No. 70639
November 17, 2011

Exhibit "A"
[111018-1157-BS-SW Gas Correspondence (1005703020).pdf]



SOUTHWEST GAS CORPORATION

LETTER OF TRANSMITTAL

To: Abengoa Solar
4505 E. Chandler Blvd. Suite 120
Phoenix, Arizona 85048

Date: October 17 2011

Attn: Howard C. Cornell
Phone: 602-763-9612

Subject: Solana Panda 230 KV Trans.

We are forwarding by: E-Mail

Number of Copies: 1

Description: Plan Review for conflicts

TRANSMITTED AS CHECKED BELOW:

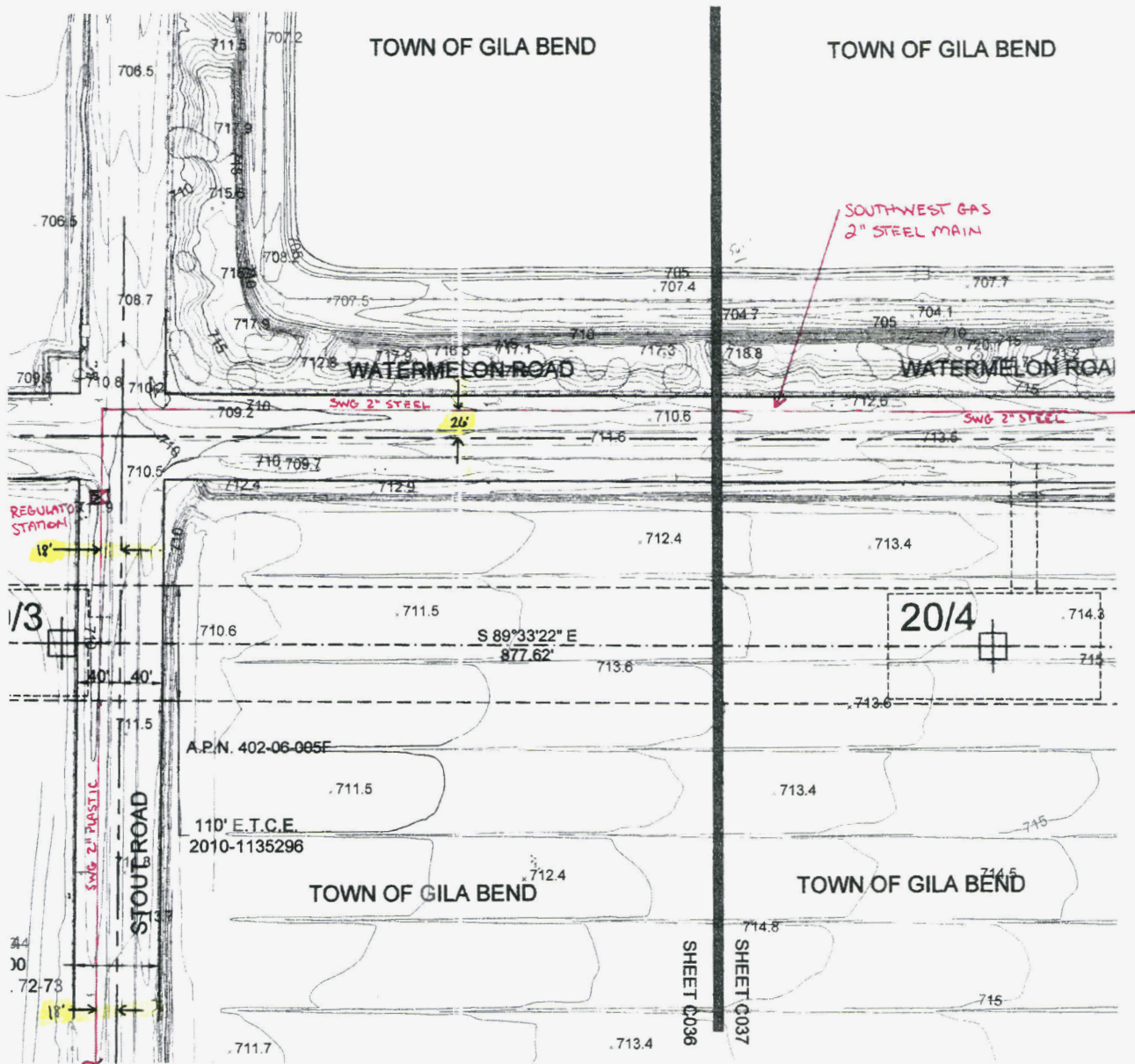
- ☐ No gas lines presently exist within the project limits.
- ☒ Your plans have been "red-lined" to indicate the approximate location of existing gas lines.
- ☐ Attached are copies of our atlas sheets showing our existing facilities in the project area.
- ☐ Attached are copies of proposed facilities in the project area.

Please transfer the information to your original civil drawing.

- ☒ Prior to excavation, please call Blue Stake for field locations of all utilities at 1-800-787-5348.
- ☒ **Other:** After reviewing the submitted plans, Southwest Gas Corporation does not anticipate conflicts with its gas facilities for the project. Southwest Gas Corporation does maintain a 2" high pressure steel transmission gas main along the north side of Watermelon Road, and a 2" plastic distribution main on the west side of Stout Road. There will not be any Cathodic Protections related issues with SWG as your proposed 230 KV Transmission line will be crossing our 2" PE plastic pipeline.

Eddie Reyes
Supervisor/Technical Services
Southwest Gas Corporation
edward.reyes@swgas.com
(520) 316-5017 / Fax (520) 836-7836

transmit.frm



ERVAL)
OOT INTERVAL)

SOUTHWEST GAS
2" PLASTIC MAIN.

JARY
DARY

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EXPIRES 6-30-2013



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scription of such
the owners

Services

THIS DRAWING IS THE PROPERTY OF
ABENER TEYMA
Abener Engineering and Construction Services, LLC
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or other written permission of Abener Engineering and Construction Services, LLC. Any
reproductions in whole or part including shop drawings shall bear or refer to this stamp.

9-23-11	For Permit
ISSUE DATE	PURPOSE OF ISSUE

16 PM/JSNODGRASS

ABENGGOA T&D

ABENER TEYMA

Abener Engineering and Construction Services, LLC
ST. LOUIS, MISSOURI

ABENGGOA SOLAR

**Solana Panda 230 kV Transmission
PROJECT BOUNDARY EASEMENT PLAN**



Gannett Fleming

4702 N. 24th Street, Suite 250 Phoenix, AZ 85016-4802
Phone (602) 553-0867 Fax (602) 553-0866 Web www.gfnet.com

ABENER TEYMA/

GILA BEND, ARIZON/

	BY	DATE	APP'D.	DATE	JOB NO.	REVISION
DRAWN	JRS	8-29-11			—	
CHECKED	SNR	8-29-11				
SCALE	As Shown					
					Sheets 79 Sheet No. 36	

ABENGGOA T&D DRAWING NUMBER

4521-PLN-GFG-26-30-C036

K:\54073 SOLANA-PANDA\PROJECT WORKING FILES\CADD\SURVEY PLAN SHEETS\BASE\X-SURV-PLAN-BASE.I

Filing of Record
ACC Decision No. 70639
November 17, 2011

Exhibit "B"
[111115-1503-BS-Correspondence from Abengoa TD (Cathodic
Protection)(1005703020).pdf]

Abengoa T&D
11500W 15th Avenue
Lakewood, CO 80215
Tel: +1 (303) 928 2500
Fax: +1 (303) 928 8510
www.abengoa.com

ABENGOA

November 14th 2011

Teyma USA & Abener Engineering and Construction Services General Partnership
4505 E. Chandler Blvd. Ste 120
Phoenix, AZ 85048

Att. Mr. Emiliano Orozco
Engineering Manager

Subject: Cathodic Protection Measures of Natural Gas Facilities Study
Solana Generating Station, Gila Bend, Arizona

Ref. K05-6238-LT-008-11-11

Dear Mr. Orozco;

In an effort to show compliance to conditioned item 15 (a) of the Certificate of Environmental Compatibility (CEC) approved by the Arizona Corporate Commission (ACC), docket No. L-00000GG-08-0408-00140;

"Perform the appropriate grounding and cathodic protection studies to show that the Project's location parallel to and within 100 feet of such pipeline results in no material adverse impacts to the pipeline or to public safety when both the pipeline and the Project are in operation. If material adverse impacts are noted in the studies, Applicant, or its assignee(s), shall take appropriate steps to ensure that such material adverse impacts are mitigated. Applicant, or its assignee(s), shall provide to Commission Staff reports of studies performed;"

We offer the following background information, utility provider determinations, and conclusive report which substantiates that no cathodic protection measures are required and public safety is not a relative factor based on current design conditions.

Background:

The Solana Solar Power Generating Station proposes to construct a 230kV transmission line emanating from the Solana Generating Station generally located at the northwest intersection of Interstate 8 and Painted Rock Dam Road, to the Panda/Gila River 230 kV substation, approximately 20.2 miles east and north of the Solana plant site. The proposed line runs parallel to the Painted Rock Dam Road and Watermelon Road rights-of-way.

Southwest Gas, utility provider for natural gas service within the area, has service lines near the vicinity of the proposed transmission line at the intersection of Stout Road and Watermelon Road. A 2-inch PE plastic distribution gas main runs north, within the Stout Road right-of-way and then turns east within the Watermelon Road right-of-way. The pipe within Watermelon Road is a 2-inch high pressure steel transmission main.

The proposed 230 KV transmission line servicing the Solana project runs east/west at this intersection, approximately 220 feet south of and parallel to the 2-inch high pressure steel transmission gas main within Watermelon Road. The proposed 230 KV transmission line crosses the 2-inch PE plastic distribution main within the Stout Road right-of-way.

Utility Provider Determinations:

Based on the Letter of Transmittal, dated October 17, 2011 by Mr. Eddie Reyes, Supervisor/Technical Services, for Southwest Gas Corporation, the transmission line plans, prepared by High Energy Inc. have been reviewed and has concluded that there are no cathodic protection measures necessary to their facilities.

The specific language provided by Southwest Gas Corporation is stated as follows.

After reviewing the submitted plans, Southwest Gas Corporation does not anticipate conflicts with its gas facilities for the project. Southwest Gas Corporation does maintain 2" high pressure steel transmission gas main along the north side of Watermelon Road, and a 2" plastic distribution main on the west side of Stout Road.

Abengoa T&D
11500W 13th Avenue
Lakewood, CO 80215
Tel: +1 (303) 928 8500
Fax: +1 (303) 928 8510
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ABENGOA

There will not be any Cathodic Protections related issues with SWG as your proposed 230 KV Transmission line will be crossing our 2" PE plastic pipeline.

Conclusion:

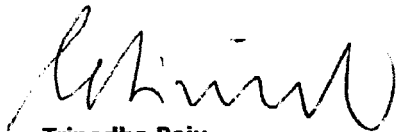
Considering the 2-inch PE plastic distribution gas main within Stout Road, it has been determined that there will be no cathodic protection required due to its material composition being non-metallic.

Considering the 2-inch high pressure steel transmission gas main within the Watermelon Road right-of-way, it has been determined that there will be no cathodic protection required due to the fact that it lies approximately 220 feet north of and parallel to the proposed 230 KV transmission line. The exceeded 100-foot threshold provides the protection necessary to the metallic gas main to avoid any adverse impacts.

In addition, and complying with the Electrical standards defined to this type of projects, we want to add that all the structures to be installed as part of the Transmission Line will be properly grounded to avoid any risk due to atmospheric discharge that can affect not only the component of the line but potential damages in surrounding areas

If additional information is required, please do not hesitate to contact me.

Sincerely



Trinadha Raju
Project Director
Abengoa T&D

Cc. PROLOG Data base
Base de datos LN